

To: Meer, Daniel[Meer.Daniel@epa.gov]; Harris-Bishop, Rusty[Harris-Bishop.Rusty@epa.gov]; Allen, HarryL[Allen.HarryL@epa.gov]
From: Serda, Sophia
Sent: Thur 2/16/2017 8:24:09 PM
Subject: RE: Question on Exide cleanup
[UCLsEPASupGuidance.pdf](#)

Rusty,

For Superfund risk assessments, the concentration term (C) in the intake equation is an estimate of the arithmetic average concentration for a contaminant based on a set of site sampling results. Because of the uncertainty associated with estimating the true average concentration at a site, the 95 percent upper confidence limit (UCL) of the arithmetic mean should be used for this variable. The 95 percent UCL provides reasonable confidence that the true site average will not be underestimated.

Attached is the risk guidance.

Hope this helps,

Sophia

Sophia Serda, MS, PhD

Toxicologist || EPA || Region 9 || **Superfund** || Community Involvement & Technical Support Branch

415-972-3057

Please be advised I currently have limited access to email when I am not in the office (e.g., on travel), therefore please be patient with any communication delays.

From: Meer, Daniel
Sent: Thursday, February 16, 2017 12:03 PM
To: Harris-Bishop, Rusty <Harris-Bishop.Rusty@epa.gov>; Allen, HarryL <Allen.HarryL@epa.gov>
Cc: Serda, Sophia <Serda.Sophia@epa.gov>
Subject: RE: Question on Exide cleanup

I believe the prioritization schema is described in the lead handbook for cleanup of residential soils, but Harry might have some other sources.

Sophia – can you point Rusty to the right resource to respond to this question? Thanks, Dan

Daniel A. Meer, Assistant Director

Superfund Division

Emergency Response, Preparedness and Prevention Branch

415.972.3132 (O)

415.971.6792 (C)

From: Harris-Bishop, Rusty

Sent: Thursday, February 16, 2017 11:57 AM

To: Meer, Daniel <Meer.Daniel@epa.gov>; Allen, HarryL <Allen.HarryL@epa.gov>

Subject: Question on Exide cleanup

Hi Dan and Harry:

A reporter had contacted DTSC about the Exide cleanup and had a question that DTSC kicked to us:

I'm working on a story that involves the CA Dept of Toxic Substances Control. They tell me they are using a formula for prioritizing a clean up that has been provided/recommended by the US EPA. The formula is a 95 upper confidence limit for figuring out contamination and cleanup of properties. I looked at the EPA website and haven't found a definition or guidance for it.

Can you send me the guidance US EPA might provide to state who use the formula? Or point me to the webpage that holds info about 95ucl?

Do you know what the model is that she's referring to? Her deadline is today.

Rusty



Rusty Harris-Bishop • Communications Liaison • Project Manager • US Environmental Protection Agency

75 Hawthorne Street • San Francisco, CA • 94105 • 415.972.3140 • 415.694.8840 (c)